

ABSTRACT OF THE DISCLOSURE

In an LED, the area of contact between an ohmic electrode formed on a contact layer and the contact layer serves as an effective light-emitting area of a light-emitting layer.

5 Therefore, while the area of contact between the ohmic electrode and the contact layer is kept small, a seat electrode is interposed so that the seat electrode is connected to a circuit wiring on a wiring board by a ball electrode being contact with the seat electrode at an area larger than the area. As a result, 10 the size necessary for forming the ball electrode can be secured easily and the light-emitting area of the light-emitting layer in the LED can be reduced sufficiently. Accordingly, a capacitance component formed by clamping the light-emitting portion of the light-emitting layer can be reduced, so that 15 a time constant at a leading edge of luminance and a time constant at a trailing edge of luminance can be reduced sufficiently to obtain a high speed.